## . Index of Claims

Application No. 10823498

**.** .

Applicantel

Examiner

Art Unit

✓ Rejected= Allowed

- (Through numeral)
Cancelled
+ Restricted

Non-Elected
I Interference

A Appeal
O Objected

|              |               |                                                  |                                                  |                                                  |          |                                                  | '             | . '                                              |                                                  | ·                                                | _  |
|--------------|---------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|----------|--------------------------------------------------|---------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|----|
| Cla          | Date          |                                                  |                                                  |                                                  |          |                                                  |               |                                                  |                                                  |                                                  |    |
| Final        | Original      |                                                  |                                                  |                                                  |          |                                                  |               |                                                  |                                                  |                                                  |    |
|              | 1             |                                                  |                                                  |                                                  |          |                                                  |               |                                                  |                                                  |                                                  |    |
| ·            | $\frac{1}{2}$ |                                                  |                                                  |                                                  |          |                                                  |               | П                                                |                                                  |                                                  |    |
|              | 3             |                                                  |                                                  |                                                  |          |                                                  |               |                                                  |                                                  |                                                  |    |
|              | 4             |                                                  |                                                  |                                                  |          |                                                  |               |                                                  |                                                  |                                                  |    |
|              | 1 3 4 5       |                                                  |                                                  |                                                  |          |                                                  |               |                                                  |                                                  |                                                  |    |
|              | 6             |                                                  |                                                  |                                                  |          |                                                  |               |                                                  |                                                  |                                                  |    |
|              | (7)           |                                                  |                                                  |                                                  |          |                                                  |               |                                                  |                                                  |                                                  |    |
|              | 8 9           |                                                  |                                                  |                                                  |          |                                                  |               |                                                  |                                                  | _                                                |    |
|              | 9             |                                                  | <u>.                                    </u>     |                                                  |          | _                                                |               |                                                  | _                                                | _                                                |    |
|              | 10            | Щ                                                |                                                  | _                                                |          | _                                                |               |                                                  |                                                  | L                                                | l  |
| <b> </b>     | 11            | Ш                                                |                                                  | _                                                |          |                                                  | _             | -                                                |                                                  | <u> </u>                                         | l  |
| <u> </u>     | 12<br>13      | Н                                                |                                                  | _                                                |          |                                                  |               |                                                  | -                                                | -                                                |    |
| <del> </del> | 14            | $\vdash$                                         |                                                  |                                                  |          | $\vdash$                                         |               | Н                                                |                                                  | $\vdash$                                         |    |
| ├            | 14<br>15      | $\vdash$                                         |                                                  | -                                                | _        | _                                                | -             |                                                  |                                                  |                                                  |    |
|              | 16            |                                                  |                                                  | $\vdash$                                         | -        |                                                  | -             |                                                  |                                                  |                                                  | ١, |
| <u> </u>     | 17            |                                                  |                                                  | -                                                |          | -                                                | H             |                                                  |                                                  |                                                  |    |
|              | 17<br>18      |                                                  |                                                  |                                                  |          |                                                  | П             |                                                  |                                                  |                                                  |    |
|              | 19            |                                                  |                                                  | $\vdash$                                         |          |                                                  |               |                                                  |                                                  |                                                  | ۱. |
| i            | 20            |                                                  |                                                  |                                                  |          |                                                  |               |                                                  |                                                  |                                                  | İ  |
|              | 21            |                                                  |                                                  |                                                  |          |                                                  |               |                                                  |                                                  |                                                  |    |
|              | 22<br>'23     |                                                  |                                                  |                                                  |          |                                                  | !             |                                                  |                                                  |                                                  |    |
|              | '23           | Ш                                                |                                                  |                                                  |          |                                                  |               |                                                  |                                                  |                                                  |    |
|              | 24<br>25      |                                                  |                                                  |                                                  |          |                                                  |               |                                                  |                                                  | _                                                |    |
|              | 25            |                                                  |                                                  | _                                                | _        |                                                  |               | _                                                |                                                  |                                                  | l  |
| <u> </u>     | 26            |                                                  |                                                  | -                                                | <u> </u> |                                                  | <u> </u>      | _                                                | _                                                | -                                                | l  |
|              | 27<br>28      | -                                                | -                                                | -                                                |          | -                                                | -             | -                                                | _                                                | -                                                | l  |
|              | 29            |                                                  | -                                                | $\vdash$                                         | ├—       |                                                  | -             | -                                                |                                                  | ┢                                                | l  |
| <u> </u>     | 30            |                                                  | -                                                | Η.                                               | ╁─       | -                                                | -             | -                                                | _                                                | <del>                                     </del> |    |
| <del> </del> | 31            | $\vdash$                                         | -                                                | <del>                                     </del> | -        | H                                                | _             | -                                                |                                                  | -                                                |    |
|              | 32            | $\vdash$                                         |                                                  |                                                  | ┢        |                                                  | 7             | П                                                |                                                  | Г                                                | ١  |
| _            | 32<br>33      |                                                  |                                                  | -                                                | _        |                                                  |               |                                                  |                                                  |                                                  |    |
| <b> </b>     | 34            |                                                  |                                                  | Π                                                |          |                                                  |               |                                                  |                                                  |                                                  |    |
|              | 35            |                                                  |                                                  | Ŀ                                                |          |                                                  |               |                                                  |                                                  | 匚                                                | 1  |
|              | 36            |                                                  | $\Box$                                           |                                                  | 匚        |                                                  |               |                                                  | L                                                | _                                                | 1  |
|              | 37            |                                                  | L                                                | L                                                | _        | ļ                                                | _             | <u> </u>                                         | <u> </u>                                         | <u> </u>                                         | 1  |
|              | 38            | _                                                |                                                  | <u> </u>                                         | _        | <u> </u>                                         | ļ.,           | <u> </u>                                         |                                                  | <u> </u>                                         | 1  |
|              | 39            | <b> </b>                                         | _                                                | _                                                | <u> </u> |                                                  | <u> </u>      | <u> </u>                                         | <u> </u>                                         | <u> </u>                                         | 1  |
|              | 40            | <b> </b>                                         | <u> </u>                                         |                                                  |          | <u> </u>                                         | -             | <b> </b>                                         |                                                  |                                                  | 1  |
| <u> </u>     | 41            | <del> </del>                                     |                                                  | -                                                | -        | -                                                |               |                                                  | ├-                                               | ├                                                | ł  |
| <del> </del> | 42<br>43      | ╁                                                | -                                                | -                                                | -        | $\vdash$                                         | -             |                                                  | $\vdash$                                         | -                                                | l  |
| <del> </del> | 44            | <del>                                     </del> | ├                                                | -                                                | -        | -                                                | ├-            | -                                                | -                                                | <del>  .</del>                                   | 1  |
|              | 45            | ╁                                                | -                                                | -                                                | -        | ├                                                | <del> </del>  | <del>  -</del>                                   | 1-                                               | $\vdash$                                         | ł  |
|              | 46            | ╁─                                               | -                                                | -                                                | -        | <del> </del> —                                   | <del> -</del> | -                                                | Ι-                                               | 1                                                | 1  |
|              | 47            | 1                                                | -                                                | -                                                | -        | -                                                | -             | ╁                                                | <del>                                     </del> | -                                                | 1  |
|              | 48            | t                                                | -                                                | -                                                | -        | ┢                                                | 1             | <del>                                     </del> | ナ                                                | 1                                                | 1  |
|              | 49            | $\vdash$                                         | <del>                                     </del> | $\vdash$                                         | 1        | <del>                                     </del> | 1             | ┪                                                |                                                  | П                                                | 1  |
|              | 50            | $\vdash$                                         | Η                                                | $I^-$                                            | <u> </u> |                                                  | 1             | ┪                                                | <u> </u>                                         | П                                                | 1  |

| 1   | Claim    |                                  | Date      |          |                                                  |                                                  |              |                                                  |            |                                                  |           |  |
|-----|----------|----------------------------------|-----------|----------|--------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|------------|--------------------------------------------------|-----------|--|
|     |          |                                  |           |          | Γ                                                |                                                  |              |                                                  |            |                                                  |           |  |
|     | Final    | Original                         | Ä         |          | 7                                                |                                                  |              |                                                  |            |                                                  |           |  |
|     |          | 51<br>52<br>58<br>54<br>55       |           |          |                                                  |                                                  |              |                                                  |            |                                                  |           |  |
|     |          | .52                              |           |          |                                                  |                                                  |              |                                                  |            |                                                  | _         |  |
|     |          | <b>*58</b>                       |           |          |                                                  |                                                  |              |                                                  |            |                                                  |           |  |
|     |          | 54                               |           |          |                                                  |                                                  |              |                                                  |            |                                                  | _         |  |
|     |          | 55                               |           |          |                                                  |                                                  |              |                                                  |            |                                                  |           |  |
|     |          | 56                               |           |          |                                                  |                                                  |              |                                                  |            |                                                  |           |  |
| i   |          | 56<br>57                         |           |          |                                                  |                                                  |              |                                                  |            |                                                  |           |  |
|     |          | 58                               |           |          |                                                  |                                                  |              |                                                  |            |                                                  |           |  |
|     |          | 58<br>59                         |           |          |                                                  |                                                  |              |                                                  |            |                                                  | _         |  |
|     |          | 60                               |           |          |                                                  |                                                  |              |                                                  |            |                                                  |           |  |
|     |          | 61                               |           |          |                                                  | $\Box$                                           | •            | Ц                                                | _          |                                                  | $\dashv$  |  |
|     |          | 62                               | $\Box$    |          |                                                  | _                                                | _            |                                                  | $\dashv$   | _                                                | $\perp$   |  |
|     |          | 62<br>63                         |           | _        | <u> </u>                                         | _                                                | _            | $\sqcup$                                         |            | $\vdash$                                         | Н         |  |
|     |          | 64<br>65                         | Ш         | _        | <u> </u>                                         | _                                                | _            | $\square$                                        |            | -                                                | $\dashv$  |  |
|     |          | 65                               | Ш         | _        |                                                  | _                                                |              |                                                  |            |                                                  | $\dashv$  |  |
| ``  |          | 66<br>67                         | Ш         | _        | <u> </u>                                         | _                                                | _            | -                                                |            |                                                  | Н         |  |
|     | <u> </u> | 67                               | $\square$ |          | <u> </u>                                         |                                                  | _            | -                                                |            |                                                  | $\dashv$  |  |
|     |          | 68                               | Н         |          |                                                  | -                                                |              | -                                                |            | -                                                | $\dashv$  |  |
| . ! | ·<br>    | 69                               |           | -        | <del>-</del>                                     | <u>-</u>                                         |              |                                                  |            |                                                  |           |  |
|     |          | 70                               | Н         |          |                                                  | -                                                | <u>-</u> -   | Н                                                |            | -                                                |           |  |
|     |          | 72                               | Н         | _        |                                                  | -                                                | H            | -                                                | _          |                                                  | Н         |  |
|     |          | 71<br>72<br>73                   | Н         |          |                                                  | -                                                | <del> </del> | М                                                |            |                                                  | $\neg$    |  |
|     |          | 74                               | Н         |          | Ι-                                               | -                                                |              |                                                  |            |                                                  |           |  |
|     |          | 75                               |           |          |                                                  |                                                  |              |                                                  |            |                                                  |           |  |
| 1   |          | 74<br>75<br>76<br>77<br>78<br>79 | П         |          | Ī                                                |                                                  |              |                                                  |            |                                                  |           |  |
|     |          | 77                               |           |          | ·                                                | L                                                | L            |                                                  |            |                                                  | Щ         |  |
|     |          | 78                               |           | _        | L_                                               | Ŀ                                                | Ľ.           | L                                                | _          |                                                  | $\square$ |  |
|     | ·        | 79                               |           |          | <u> </u>                                         | L_                                               | _            | _                                                |            | -                                                | $\vdash$  |  |
|     |          | 80                               |           |          | ļ                                                | _                                                | _            | _                                                | _          | -                                                | $\vdash$  |  |
|     |          | 81                               | Ш         | _        |                                                  | -                                                | -            | $\vdash$                                         | -          | ┝                                                | Н         |  |
|     |          | 82                               | Н         |          | <u> </u>                                         | -                                                |              | -                                                |            | ┢╌                                               | Н         |  |
|     |          | 83                               |           | _        | <del> </del>                                     | $\vdash$                                         | <del> </del> |                                                  | -          | <del>  -</del>                                   | Н         |  |
|     | ļ        | 84<br>85                         | $\vdash$  |          | -                                                | ├                                                | -            | -                                                | ┢═         | -                                                | Н         |  |
|     |          | 86                               | $\vdash$  |          | <del>  -</del>                                   | -                                                | ╁─           | -                                                |            | <del>                                     </del> | Н         |  |
|     |          | 86<br>87                         | $\vdash$  | -        | ╁                                                | -                                                | ┰            | <del>                                     </del> | Г          |                                                  | П         |  |
|     |          | 88                               |           | -        | <del>                                     </del> | <del>                                     </del> | 1-           | <del>                                     </del> | Г          | 1                                                |           |  |
|     |          | 89                               | П         | $\vdash$ | 1                                                | Ι-                                               |              |                                                  |            |                                                  |           |  |
|     | <b> </b> | 90                               |           | Τ        | Γ                                                |                                                  |              |                                                  |            |                                                  |           |  |
|     |          | 91                               | Г         | Г        |                                                  |                                                  |              |                                                  |            |                                                  |           |  |
|     |          | 92                               |           |          | L                                                |                                                  |              |                                                  |            |                                                  | <u> </u>  |  |
|     |          | 93                               |           |          |                                                  | Ĺ                                                | _            | _                                                | L          | _                                                | _         |  |
|     |          | 94                               |           | Ĺ        | Ĺ                                                | _                                                | <del> </del> | <u> </u>                                         | _          | <u> </u>                                         | _         |  |
|     |          | 95                               | $\Box$    |          | <u> </u>                                         | ┞-                                               | <u> </u>     | <u> </u> _                                       | _          | <u> </u>                                         |           |  |
|     |          | .96                              |           | L        | <u> </u>                                         | <u> </u>                                         | ـ            | <b>!</b>                                         | <u> </u> _ |                                                  |           |  |
|     | <u> </u> | 97                               | <u> </u>  | <u> </u> | ↓_                                               | -                                                | <u> </u>     | -                                                | -          | ├                                                |           |  |
|     |          | 98                               | <u> </u>  | _        | Ŀ                                                | 1                                                | -            | ├-                                               | -          | <del> </del>                                     | ├         |  |
|     |          | 99                               | <u> </u>  | L        | Ŀ                                                | <del> </del> -                                   | -            |                                                  | $\vdash$   |                                                  | $\vdash$  |  |
|     | l .      | 100                              | 1         | 1        | 1_                                               | L.                                               | L.           | l                                                | Ц_         |                                                  |           |  |

| ن            | l                 |                |                |                |                                                  |                                        |                                               | نــــ          | ١.                                               |            |
|--------------|-------------------|----------------|----------------|----------------|--------------------------------------------------|----------------------------------------|-----------------------------------------------|----------------|--------------------------------------------------|------------|
|              |                   |                |                |                |                                                  |                                        |                                               |                |                                                  | _          |
| Cla          | aim               |                | ,              |                | [                                                | Date                                   | -                                             |                |                                                  | _          |
| Final        | Original          |                |                |                |                                                  |                                        |                                               |                |                                                  |            |
|              | 101               | $\dashv$       | -              | $\vdash$       | _                                                |                                        |                                               |                |                                                  | П          |
|              | 101<br>102        |                |                | $\vdash$       | 1                                                |                                        | _                                             |                |                                                  | П          |
|              | 103               | -              |                | -              |                                                  |                                        |                                               | _              |                                                  |            |
|              | 104               | Н.             |                | _              | -                                                | $\vdash$                               |                                               |                |                                                  |            |
|              | .105              | -              | -              |                |                                                  |                                        | _                                             |                |                                                  |            |
|              | 106               | -              |                | $\vdash$       |                                                  |                                        |                                               |                |                                                  |            |
|              | 107               | $\overline{}$  | _              | _              |                                                  |                                        |                                               |                |                                                  |            |
|              | 108               |                |                | Т              |                                                  |                                        |                                               |                |                                                  |            |
|              | 109               |                |                |                |                                                  |                                        |                                               |                |                                                  |            |
|              | 110               |                |                | Γ              |                                                  |                                        |                                               |                |                                                  |            |
|              | 111               |                |                |                |                                                  | Г                                      |                                               |                |                                                  |            |
|              | 112               |                |                |                |                                                  |                                        |                                               |                |                                                  |            |
|              | 113               |                |                |                |                                                  | L                                      | _                                             |                | _                                                |            |
|              | 114               |                | <u> </u>       | _              | <u> </u>                                         | _                                      | <u> </u>                                      |                | <u> </u>                                         | $\Box$     |
| · ,          | 115               | _              | _              | <u> </u>       | ļ                                                | _                                      | <u> </u>                                      |                | <u> </u>                                         |            |
|              | 116<br>117        | <u> </u>       | <u> </u>       | ļ              | <b>!</b> —                                       | -                                      | <b> </b>                                      |                |                                                  | -          |
|              | 117               | _              | -              |                |                                                  | _                                      | ├—                                            | -              |                                                  | $\vdash$   |
|              | 118<br>119        |                |                | -              |                                                  | -                                      | ╀                                             | <del> </del> - | <del>'</del> -                                   | Щ          |
|              | 120               | <u>:</u>       | <del> </del>   | H              | i –                                              | i                                      | H                                             | <u> </u>       | <del>-</del>                                     | П          |
|              | 121               | -              | ├              |                | $\vdash$                                         | ╂                                      | 1-                                            | ┢              | <del>                                     </del> |            |
|              | 121<br>122        | -              | -              | 1              | <del>                                     </del> | 1                                      | t                                             | 1              | $\vdash$                                         |            |
|              | 123               | <u> </u>       |                | 1              | 1                                                | 1                                      | Г                                             | T              | Г                                                |            |
| <del> </del> | 123<br>124<br>125 | $\vdash$       | 1              | T              | t                                                |                                        | 1                                             | 1              |                                                  |            |
|              | 125               | Γ              |                |                |                                                  |                                        |                                               |                |                                                  |            |
|              | 126               |                |                |                |                                                  |                                        |                                               | 乚              | <u></u>                                          | _          |
|              | 127               |                |                |                |                                                  | _                                      | <u>                                      </u> | L              | <u> </u>                                         | <u> </u>   |
|              | 128<br>129<br>130 | _              | <u> </u>       | <u> </u>       | <u>L</u>                                         | ļ.                                     | ļ                                             | 上              | ļ                                                |            |
|              | 129               | <u>L</u>       | <u> </u>       | <del> </del> _ | <u> </u>                                         | Ŀ                                      | ۱.,                                           | 1-             | <b>├</b>                                         | <b> </b> - |
|              | 130               | _              | <u> </u>       | <del> </del>   | ╀                                                | ┞                                      | ┼-                                            | ╀              | ╀                                                | ╁          |
|              | 131<br>132        | <del> </del>   | ├-             | <b> </b>       | ┨                                                | ┨                                      | ╀╌                                            | +-             | ╁╌                                               | ╁          |
|              | 132               | ┞              | <del> </del> - | -              | ╁                                                | ╀                                      | ╁╾                                            | ╁              | ╁╌                                               | ╁╌         |
|              | 133<br>134        | <del>  -</del> | ├-             | ╁              | ╀                                                | ╁╌                                     | ╁                                             | ╀╌             | $\vdash$                                         | +-         |
|              | 135               | ├╌             | ╀              | +              | ╁                                                | ╁                                      | ╁╴                                            | ╁              | 十                                                | +-         |
|              | 136               | -              | ╁              | ╁╌             | ╁╴                                               | 1.                                     | 1-                                            | T              | T                                                |            |
|              | 137               | $t^-$          | $\vdash$       | T              | 1                                                | T                                      | 1                                             | 1              | I                                                | L          |
|              | 138               | ╁              | 1              | T              | $\top$                                           | $\top$                                 |                                               |                |                                                  | $\Box$     |
|              | 139               | 1              | 1-             | 1              | 1_                                               |                                        |                                               |                | L                                                | _          |
|              | 140               |                |                |                |                                                  | $\Gamma$                               |                                               | _              | ╄-                                               | ↓_         |
|              | 141               | I_             | L              |                |                                                  | 1_                                     | 1_                                            | 1              | 1-                                               | ↓_         |
|              | 142               | 1_             | 1_             | 1_             | 4                                                | ↓_                                     | 4                                             | 4-             | ╀                                                | ┼          |
|              | 143               | 4_             | ╀              | 4              | +                                                | 4-                                     | +                                             | +-             | ┼                                                | ╂          |
|              | 144               | 1              | ╀-             | 4              | 1-                                               | ╀                                      | +-                                            | +              | ╀╴                                               | +          |
| <u>.</u>     | 145               | 1              | ╀              | +-             | ╁                                                | +                                      | +-                                            | +              | 十                                                | ╁          |
|              | 146               | 1-             | ŀ              | ╀              | ╁                                                | ╁                                      | ╀                                             | ╁              | ╁                                                | +-         |
|              | 147               | <del> </del> - | +              | +-             | +                                                | +-                                     | +                                             | ╁              | +-                                               | +-         |
|              | 148<br>149        | +-             | ╁              | +              | +                                                | +-                                     | +-                                            | +              | ╁                                                | T          |
|              | 150               | ╁              | ╂╌             | +              | ╁                                                | +                                      | +                                             | 十              | $\top$                                           | 1          |
|              | 1 130             | 1              |                |                | ـــاــــ                                         | ــــــــــــــــــــــــــــــــــــــ |                                               |                |                                                  |            |
|              |                   |                |                |                |                                                  |                                        |                                               |                |                                                  |            |